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JOINT PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

**HTAUTOMAT FILE COPY**

RAIL TRAFFIC  
ON THE  
SVOBODNYY/KHABAROVSK SECTION  
OF THE  
TRANS-SIBERIAN RAILROAD



**ARMY**



**CIA**

Declass Review by  
NIMA / DoD

HTA/JM-12/58

1 JULY 1958

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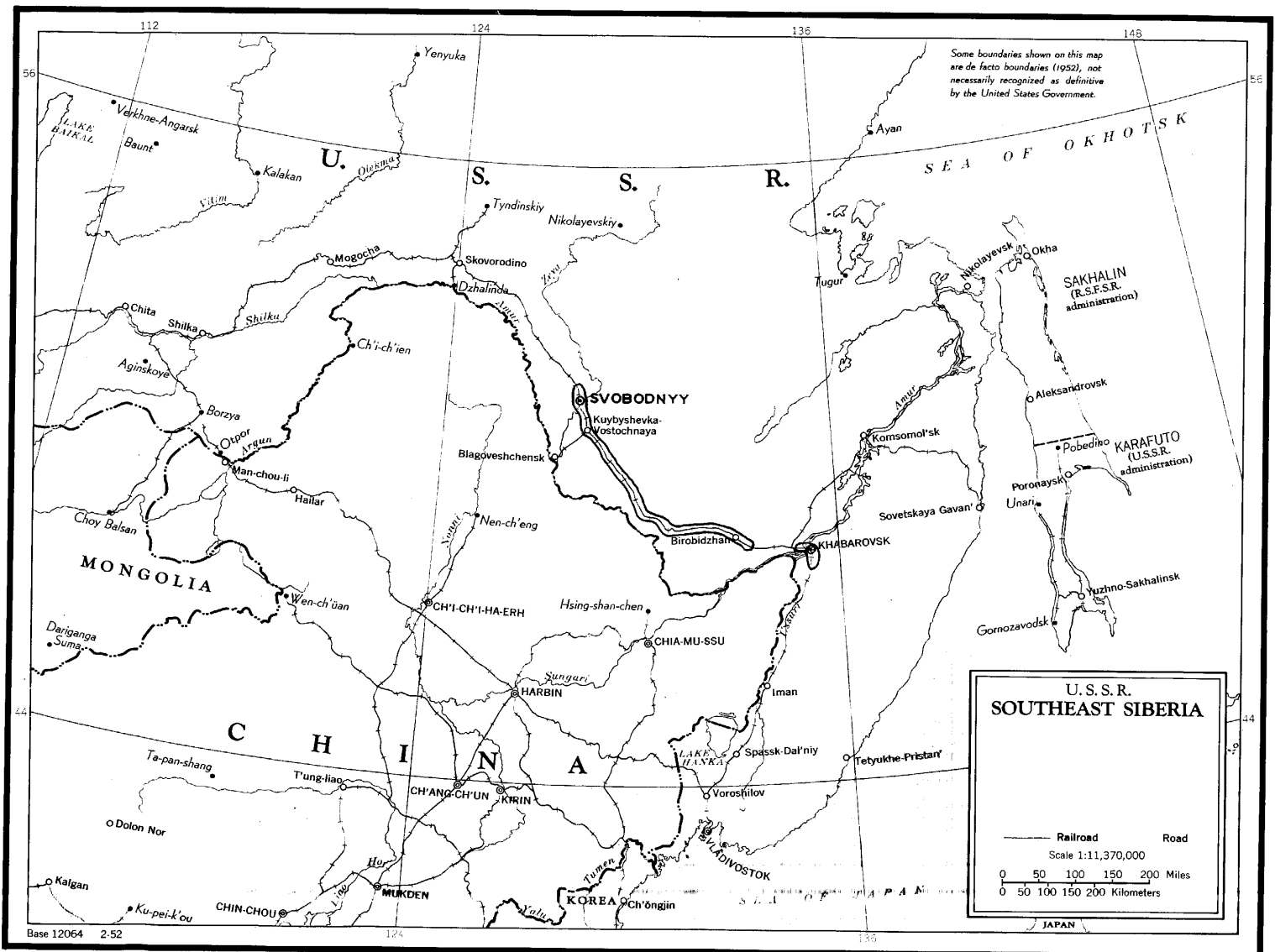
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RAIL TRAFFIC  
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OF THE TRANS-SIBERIAN RAILROAD

HTA/JM-12/58

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HTA/JM-12/58

RAIL TRAFFIC  
ON THE SVOBODNYY/KHABAROVSK SECTION  
OF THE TRANS-SIBERIAN RAILROAD

25X1D This memorandum provides an analysis of the rail traffic on the 874-kilometer section of the Trans-Siberian Railroad between Svobodnyy and Khabarovsk, excluding an 86-kilometer section not covered by photography (see orientation map). It is based on a single photographic mission flown [REDACTED] with coverage of this section of the rail line taking place between [REDACTED]

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Since this section of the Trans-Siberian has steam locomotion, the right-of-way has become dark and sooty relative to the adjacent snow covered areas. The resulting high contrast of the photography, plus smoke from the moving trains, makes it difficult to identify the type of cars. In some instances it is possible only to estimate the length and number of cars in a train. The fact that only one tank car train can be identified is very likely attributable to these difficulties of photographic interpretation.

The accompanying tables, 1 through 5, which itemize and describe the trains, are supplemented by a Route Log which shows the location of trains in relation to stations along the entire section.

The analysis of traffic in the yards at the Trans-Siberian terminals, i.e. Kuybyshevka-Vostochnaya, Zavitaya, etc., of branch lines will not be duplicated in subsequent reports on these branch lines.

NOTE: Stations and kilometer locations are taken from Route 410 in CIA/CR #5, USSR Railroad Stations, June 1956.

TABLE 1. DESCRIPTION OF EASTBOUND TRAINS

Km Location	Speed (km/hr)	Length (feet)	Number of Cars	Type of Cars*					Number of Locomotives	Remarks
				Closed		Open				
				2-axle	4-axle	2-axle	4-axle	empty**		
7850	standing	1770	49	14	5	5	25	-	1	At Svobodnyy
7860	38	1600	35-50	-	-	-	-	-	1	Superstructure of bridge observes train
7881	66	700	10	-	10***	-	-	-	1	-
7893	45	1050	25	1	-	2	22	4	1	-
7909	standing	1600	40	3	15	1	21	-	1	At Kuybyshevka-Vostochnaya
7909	13	1450	42	1	3	14	24	3	1	Do
7917	39	1370	30-40	-	-	-	-	-	1	Smoke obscures train
7953	45	1670	35-50	-	-	-	-	-	1	Do
7963	20	1670	46	-	2	7	37	5	1	-
8017	42	1500	35-45	-	-	-	-	-	1	Smoke obscures train
8026	standing	1470	32	-	-	-	32	-	1	At Zavitaya
8073	standing	1730	48	4	8	9	27	-	1	At Bureya
8076	66	900	12	-	12***	-	-	-	1	-
8100	50	900	20-25	-	-	-	-	-	1	Smoke obscures train
8124	29	1650	45	2	4	10	29	4	1	At Arkhara
8154	37	840	20-25	-	-	-	-	-	1	Smoke obscures train
8234	29	930	20-30	-	-	-	-	-	1	Smoke and shadow obscure train
8238	standing	2170	60	-	6	9	45	-	2	At Obluchye
8290	49	1770	40	-	-	-	40	-	1	-
8439	38	1100	25-35	-	-	-	-	-	1	Smoke obscures train
8562	25	800	19	-	-	-	19	-	1	-
8584	50	-	0	-	-	-	-	-	1	Deadheading locomotive
8598	65	1600	35-50	-	-	-	-	-	1	Shadows obscure train
TOTALS			723-818	25	43	57	321	16	24	

\* Detailed typing of cars, i.e. gondola, hopper, etc., was generally impossible due to the high contrast in photography.  
"Open" cars may include hoppers and gondolas. "Closed" may include all others

\*\* Of the "open" cars identified, this column indicates the number which were "empty", without reference to the number of axles. The remainder of the "open" cars are considered to be loaded.

\*\*\* Passenger cars.

TABLE 2. DESCRIPTION OF WESTBOUND TRAINS

Km Location	Speed (km/hr)	Length (feet)	Number of Cars	Type of Cars*					Number of Locomotives	Remarks
				Closed		Open				
				2-axle	4-axle	2-axle	4-axle	empty**		
7785	-	-	-	-	-	-	-	-	1	Obliquity prevents analysis
7820	-	-	-	-	-	-	-	-	1	Do
7850	standing	850	20-25	-	-	-	-	-	1	At Svobodnyy. Smoke and steam obscure train
7855	standing	1770	53	5	-	35	13	42	1	At Mikhaylo-Chesnokovskaya
7880	55	1050	20-30	-	-	-	-	-	1	Smoke obscures train
7900	45	1200	30	-	2	-	28	-	1	-
7931	63	2660	55-80	-	-	-	-	-	1	Smoke obscures train
8013	4	260	6-8	-	-	-	-	-	1	Smoke obscures train. Probably a passenger train
8070	53	830	11	-	11***	-	-	-	1	-
8073	standing	1000	23	-	6	-	17	-	1	-
8133	58	1420	30-40	-	-	-	-	-	1	Smoke and shadows obscure train
8164	standing	1760	54	4	14	18	18	7	1	At Uril
8196	34	1230	25	-	15	-	10	-	1	-
8207	27	-	-	-	-	-	-	-	1	Deadheading locomotive
8238	standing	1950	47	-	-	-	47	3	1	At Obluchye
8290	9	1180	26	-	-	-	26	-	1	-
8332	49	1360	30-40	-	-	-	-	-	1	Smoke obscures train
8393	standing	2020	54	7****	47****	-	-	-	1	At Birobidzhan
8563	31	380	6	-	6****	-	-	-	1	-
8574	standing	1490	35	2	20	3	10	-	1	On bypass track at Khabarovsk II
8574	standing	1600	45	7	19	8	11	-	1	At Khabarovsk II
8585	65	-	-	-	-	-	-	-	1	Smoke and obliquity prevent analysis
TOTALS			570-632	25	140	64	180	52	22	

\* Detailed typing of cars, i.e. gondola, hopper, etc., was generally impossible due to the high contrast in the photography. "Open" cars may include hoppers and gondolas. "Closed" may include all others.

\*\* Of the "open" cars identified, this column indicates the number which were "empty", without reference to the number of axles. The remainder of the "open" cars are considered to be loaded.

\*\*\* Passenger cars.

\*\*\*\* Tank cars.

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TABLE 3. SUMMARY OF CARS AND LOCOMOTIVES IN TRAINS\*

Type	No. of Axles	Eastbound	Westbound	Total
Passenger	4	22	17	39
Open	2	57	64	121
Open	4	321	180	501
Closed	2	25	18	43
Closed	4	43	76	119
Tank Cars	2	0	7	7
Tank Cars	4	0	47	47
Unidentified	-	<u>255-350</u>	<u>161-223</u>	<u>416-573</u>
Total Cars		723-818	570-632	1293-1450
Total Locomotives		24	22	46

\* Includes 21 freight and 2 passenger trains eastbound, and 3 passenger and 19 freight trains westbound. Only one unidentified train is considered to be a passenger train; all others are considered to be freight. See tables 1 and 2 for descriptions of individual trains.



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TABLE 4. DESCRIPTION OF CUTS OF CARS AND LOCOMOTIVES IN YARDS

Yards and Km Location	Length (feet)	Number of Cars	Type of Cars*				
			Closed		Open		
			2-axle	4-axle	2-axle	4-axle	empty**
Svobodnyy, Km 7850	500	13	-	7	-	6	-
Mikhaylo-Chesnokovskaya, Km 7855	1550	35	1	12	2	20	16
	1100	26	1	5	-	20	9
	980	20	-	6	-	14	7
In car repair area	-	70	-	10	-	60	-
Kuybyshevka-Vostochnaya, Km 7909	1400	40	3	3	4	30	4
	1260	35	2	5	6	22	5
	1000	25	-	2	7	16	8
	1180	35	3	2	17	13	-
	2020	53	3	5	5	40	5
	2700	78	6	12	24	36	14
	830	24	3	4	3	14	-
	760	17	-	-	3	14	-
In car repair area	-	60	-	-	-	-	-
In yards and shops	-	-	(14 Locomotives)				
Vozzhayevka, Km 7936	2400	50	-	-	-	50	50
	285	6	-	-	-	6	-

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TABLE 4. DESCRIPTION OF CUTS OF CARS AND LOCOMOTIVES IN YARDS  
(CONT'D)

Yards and Km Location	Length (feet)	Number of Cars	Type of Cars*				
			Closed		Open		
			2-axle	4-axle	2-axle	4-axle	empty**
Kaganovich, Km 7987	465	12	-	-	-	12	2
	1550	45	-	-	16	29	-
	1370	33	2	6	3	22	-
	1950	54	1	3	7	43	-
Zavitaya, Km 8028	1490	40	3	10	5	22	-
	420	11	-	-	2	9	1
	880	21	2	7	1	11	2
Bureya, Km 8073	860	22	-	-	2	20	-
	1060	25	-	3	-	22	-
	1180	26	-	3	-	23	-
	900	27	1	2	1	23	2
	860	23	2	4	4	13	1
Domikan, Km 8094	2230	49	-	-	-	49	49
Arkharu, Km 8126	2140	52	-	3	-	49	44
	2070	46	-	6	-	40	10
In yards and shops	-	-	(7 Locomotives)				

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TABLE 4. DESCRIPTION OF CUTS OF CARS AND LOCOMOTIVES IN YARDS  
(CONT'D)

Yards and Km Location	Length (feet)	Number of Cars	Type of Cars*				
			Closed		Open		
			2-axle	4-axle	2-axle	4-axle	empty**
Kundur, Km 8198	150	3	-	-	-	3	3
	-	-	(1 Locomotive)				
Obluchye, Km 8238	1810	45	-	37	-	8	-
	475	13	2	-	3	8	4
	370	9	2	2	-	5	-
	1210	34	-	-	-	34	4
In car repair area	-	140	-	-	-	-	-
In yards and shops	-	-	(8 Locomotives)				
Vorobyovo, Km 8258	310	11	1	-	2	8	10
Izvestkovyy, Km 8278	960	21	-	-	-	21	21
	2300	50	-	-	-	50	50
	2350	51	-	-	-	51	51
	190	3	-	3***	-	-	-
Teploye Ozero, Km 8303	465	12	-	-	4	8	2
	1240	31	-	-	8	23	2
	465	10	-	-	-	10	-
	1175	32	-	13	2	17	8
On siding	-	-	(1 Locomotive)				

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TABLE 4. DESCRIPTION OF CUTS OF CARS AND LOCOMOTIVES IN YARDS  
(CONT'D)

Yard and Km Location	Length (feet)	Number of Cars	Type of Cars*				
			Closed		Open		
			2-axle	4-axle	2-axle	4-axle	empty**
Bira, Km 8349	150	5	-	-	5	-	-
Khabarovsk I, Km 8565	500	17	-	-	12	5	-
	210	6	2	4	-	-	-
	1350	42	-	-	22	20	19
	450	13	-	-	5	8	-
	1600	35-40	-	-	-	-	-
Khabarovsk II, Km 8572							
Receiving yard	960	22	-	-	-	22	22
	2160	50-65	-	-	-	-	-
	2210	55-70	-	-	-	-	-
Classification Yard (hump yard)	500	18	16	2	-	-	-
	1100	40	9	2	26	3	5
	1180	23	3	20	-	-	-
	350	10	-	-	2	8	-
	735	19	-	11	2	6	-
	-	-	(1 Locomotive)				
	510	13	-	5	4	4	8

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TABLE 4. DESCRIPTION OF CUTS OF CARS AND LOCOMOTIVES IN YARDS  
(CONT'D)

Type and Km Location	Length (feet)	Number of Cars	Type of Cars*				
			Closed		Open		empty**
			2-axle	4-axle	2-axle	4-axle	
Classification yard (cont'd) 600 (hump yard)		15	-	3	4	0	-
	1220	35	3	9	13	10	-
Forwarding yard	1230	20-30	-	-	-	-	-
	1000	20-30	-	-	-	-	-
Holding yards	510	15	-	-	8	7	-
	2010	47	-	-	-	47	47
	770	21	-	-	5	1	1
Car repair shop	-	35	-	-	-	-	-
<b>TOTALS</b>		<u>2214-2169</u>	<u>71</u>	<u>231</u>	<u>239</u>	<u>1158</u>	<u>486</u>

\* Detailed typing of cars, i.e. gondola, hopper, etc., was generally impossible due to the high contrast in the photography. "Open" cars may include hoppers and gondolas. "Closed" may include all others.

\*\* Of the "open" cars identified, this column indicates the number which were "empty", without reference to the number of axles. The remainder of the "open" cars are considered to be loaded.

\*\*\* Passenger cars.

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TABLE 5. SUMMARY OF ALL CARS AND LOCOMOTIVES

Type	Number of Axles	Number of Cars
Passenger	4	42
Open	2	360
Open	4	1659
Closed	2	114
Closed	4	347
Tank Cars	2	7
Tank Cars	4	47
Unidentified	-	831-1043
Total Cars		<u>3207-3619</u>
Total Locomotives		78

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REQUIREMENT: This Joint Photographic Intelligence Memorandum presents an analysis of rail traffic on the Svobodnyy-Khabarovsk section of the Trans-Siberian Railroad. It has been prepared at HTAUTOMAT by CIA and Army under Army chairmanship, and is intended to satisfy in part CIA requirements as specified in RR/HTA/E/R45/58 and Army requirements as specified in SRI 35-1-58.

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COORDINATES: Svobodnyy 51° 25'N/28° 0' E  
Khabarovsk 48° 32'N/35° 09' E

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